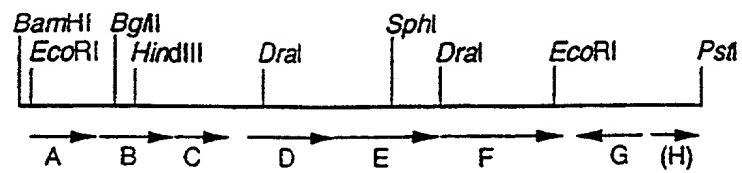
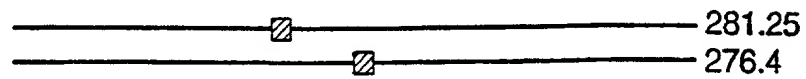


(A) Lipooligosaccharide synthesis genes (*lsg*)



(B) Transposon inserts



(C) Chimeric transformants

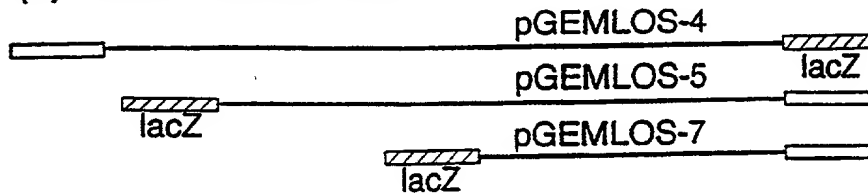
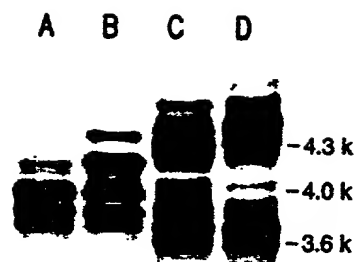


FIG. 1

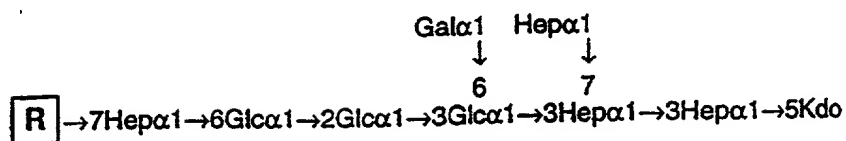
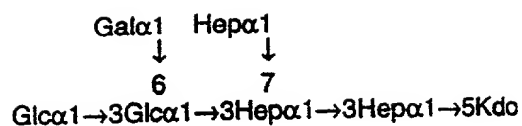


A=pGEM
 B=pGEMLOS-7
 C=pGEMLOS-5
 D=pGEMLOS-4

FIG. 2

E. coli r-LPS

pGEM



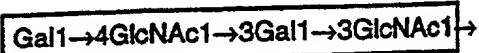
Chimeric LPS

R =

pGEMLOS-7



pGEMLOS-5



pGEMLOS-4



FIG. 3